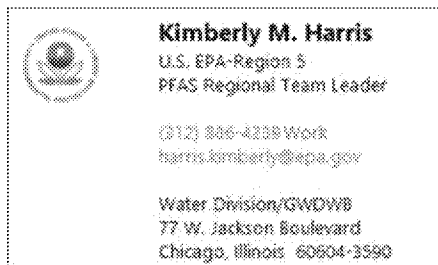


Message

From: Harris, Kimberly [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=67DEDC3F1DD9444183869C064C651B44-KHARRI02]
Sent: 12/12/2017 1:10:51 PM
To: Burden, Susan [Burden.Susan@epa.gov]
CC: Mattas-Curry, Lahne [Mattas-Curry.Lahne@epa.gov]
Subject: RE: PFAS Analytes of interest at the Wolverine site

No, I hadn't seen these email exchanges. Thank you very much for forwarding.
 -Kim



From: Burden, Susan
Sent: Tuesday, December 12, 2017 6:00 AM
To: Harris, Kimberly <harris.kimberly@epa.gov>
Cc: Mattas-Curry, Lahne <Mattas-Curry.Lahne@epa.gov>
Subject: FW: PFAS Analytes of interest at the Wolverine site

Hi Kim,

FYI on the email exchange below. You may have already seen this, but I thought I would forward it to you in case it's helpful.

Thanks,

Susan

Susan Burden, Ph.D.
 Office of Science Policy
 Office of Research and Development
 US Environmental Protection Agency
 Phone: (202) 564-6308
 Email: burden.susan@epa.gov

From: Kaplan, Robert
Sent: Sunday, December 10, 2017 9:20 PM
To: Rodan, Bruce <rodan.bruce@epa.gov>
Cc: Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; Burden, Susan <Burden.Susan@epa.gov>; Sinks, Tom <Sinks.Tom@epa.gov>; Grevatt, Peter <Grevatt.Peter@epa.gov>
Subject: Re: PFAS Analytes of interest at the Wolverine site

Bruce, thanks much. This is very helpful. We will pass it along. Bob

On Dec 10, 2017, at 2:02 PM, Rodan, Bruce <rodan.bruce@epa.gov> wrote:

Bob,

Hi. Following up on the teleconference from a week back, ORD (Susan Burden) looked at our past and current activities regarding the PFAS of particular interest to Michigan--relayed to us from Michigan as PFHxA, PFHxS and PFBS (summarized below). I am presuming that the best approach is for R5 to share this information with Michigan, since your staff are in the best position to advise the State.

PFBS

EPA developed a Provisional Peer-Reviewed Toxicity Value (PPRTV) for PFBS and the related potassium salt in 2014. The PPRTV is attached.

Ex. 5 - Deliberative Process

Ex. 5 - Deliberative Process

PFHxS

EPA has not conducted a toxicological assessment of PFHxS. However, ATSDR is developing a Toxicological Profile for select PFAS. They released a draft Toxicological Profile in 2015 (available [here](#))—PFHxS is part of this document. We recommend that Michigan or R5 contact ATSDR with questions about the Toxicological Profile.

PFHxA

EPA has not conducted a toxicological assessment of PFHxA. However, we have collected publicly available toxicological and toxicokinetic studies related to PFHxA and are evaluating them. We have not yet made any decisions about conducting a toxicological assessment of PFHxA.

Ex. 5 - Deliberative Process

Please let me know if you need any additional information from ORD.

Bruce Rodan
Associate Director for Science
EPA Office of Research and Development
2025643331

From: Shirey, Kathleen (DEQ) [<mailto:SHIREYK@michigan.gov>]

Sent: Friday, December 01, 2017 4:51 PM

To: Burden, Susan <Burden.Susan@epa.gov>

Cc: Leeming, Susan (DEQ) <LeemingS@michigan.gov>; Grether, Heidi (DEQ) <GretherH@michigan.gov>; Zimmer, Nate (DEQ) <ZimmerN6@michigan.gov>

Subject: PFAS Analytes of interest

As a follow up to our conversation earlier today, I am forwarding some of the information we discussed. Attached is a draft list of PFAS that Michigan is considering standardizing for acceptable lab data for sampling.

Of particular interest to us for development of additional health advisories or further toxicological assessment are PFHxA, PFHxS, and PFBS, based upon the data that we've seen from the AAAF firefighting foam sites that we have. If we can provide any further information, please let me know.

Thank you for participating today; we look forward to EPA's partnership on these issues moving forward.

Kathleen Shirey

Acting Director
Remediation and Redevelopment Division
Michigan Department of Environmental Quality
517-420-2503

<Perfluorobutanesulfonate PPRTV_2014.pdf>